

Use Attainability Analysis

for

WBID 455 Sampson Creek

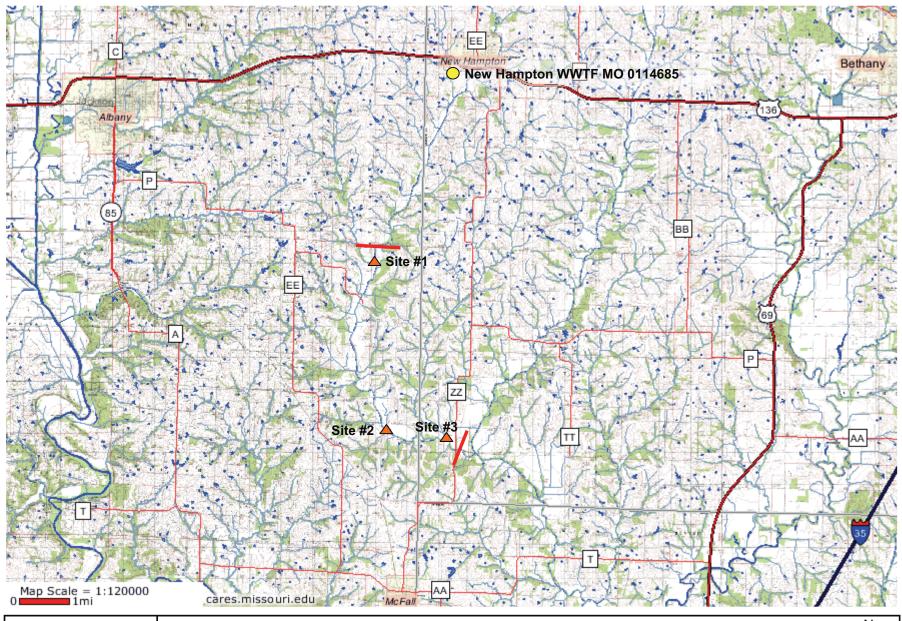
Submitted by BWR

June 1, 2007

Submitted to:
Missouri Department of Natural Resources
Division of Environmental Quality
Water Protection Program

Field Data Sheets for Recreational Use Stream Surveys

T 337-4 . To 5 P 3	Data Sheet A - Water Bo		2
	formation (For water body being surveyed)		
	ame (from USGS 7.5' quad): Sampson		
Missouri Wate	r Body Identification (WBID) Number:	455	
8-digit HUC:	102 8101	County: Harrison	19,600
Upstream Lega	al Description (from Table H): Transfet		de Cores
	egal Description(from Table H): Trans	BOT ON LA GIVE OF STREAM	190 010311
Number of site		ECT A JSM FORM HWY ZZ UPSTIER	100 00 11
	umbers, listed consequently upstream to o	lownstream:	Month
SHE 1-Up	stream, Euror Site 2- Mid	Estion Site 3- downstream	m
<u>·</u>			
	nat may be of interest.	ith assessment sites clearly labeled. Mark	
		~	
II. Su begmentat	ion (fill this section out only in cases where the cases where the cases were the case were the cases were the	ere subesgmentation is being proposed)	
Upstream Coo	· ·	Downstream Coordinates:	
UTM X N	40. 20617 YOU ON 173101	UIM X RI-10, 1-11, 1-1 Y-10 1994	20037
HURIZONIAISCOL	ECTION METHOD (Indicate the method used to determine the Global Positioning System (GPS)	ocational data)	
Static Mode		.Topographic Map or DRG	
Dynamic Mode (F	(inematic)	Aerial Photograph or DOQQ	
Precise Positionia	ng Service	Satellite Imagery	
Sig nal Averaging	,	Interpolation Other	
Real Time Differe	ential Processing		
HORIZONTALACCU	RACY ESTIMATE SEES SEES SEES SEES SEES SEES SEES S		
FOM	± Meters	Interpolation Data Quality Source Map Scale: 1:24,000 1:100,000 (<u>@doodledooloo</u> Other
EPE	± 10 Feet or ± Meters		Juici
PDOP		±Feet or ±Meter	rs
	acility Information (list all permitted disc	hargers on the stream)	
Di scharger Fa	cility Name(s):	+ \.b. +-	
Discharger Pe	ermit Number(s):	NW1+	•
	rmit Number(s): MD DIY U	85	
	or (please print legibly)		
Name of Surv	eyor Ryan M. Lunt	Telephone Number: (913) 707-1459	ì
Position: To	Employer: SEQUITENVICONME	Ental Technologies U- Environmental Sciteni	<u></u>
162	Market Market Agrico	U- EDITION WORTH SCITTING	ST
	t you have completed all sections, chec	ked all applicable boxes and that everythi	ng is
complete.			
Signech:	ian M. Just	Date: 95-14-07	
February,	2007	Page	22





Sampson Creek WBID #455



WBID#_	455
Site#	

Field Data Sheets for Recreational Use Stream Surveys Data Sheet B - Site Characterization (must be completed for each site)

۲	-				(illus	ir ne o	ompleted	TOT EACH S	site)		
Ì	Date & Time: 0	5-14-07		12:	60		Site Loc	ation Descrip	otion (e.g.	, road crossing):	
	Personnel (Data	Collectors):	Rugal	M. Curr	t È W.	lian	VEIS	range o	X A	is bom	downstream From
	Current Weather	Conditions:	There	Sunny	80-9	gs°F	Facility 1	Name: N	E M	Hampt	•
ŀ	Weather Condition	ons for Past	10 days: 💪	st 7 day	ys Sunt	14 130	Permit N	lumber:	MOI	21141085	
	Drought Condition	ons?: No dro	ought 🗆;)	Phase I	: Phase !	II □. P	hase III	Sh Flood	مع ا: Unkno	wn []	
Sit	e Locations:	, :								<u> </u>	
3	HEGRATION FRODR	DINATESTUN	MERSALT	RANSVERS	SEMERO	AFOR P	ROJECTION	IN METERS			
	Site GPS Coor	dinates: UT	M X: 🎵	الم	617	NO9	4,2340	Y: W	भूप इ	HOL-N	40.20617
ľ	HORIZON) AL CO	النالة لأحران فيتناسا	Cat in the series (cit) 1/2	Train His Till	ENTING TIME	u w cere		ational data.)			ion
	Static Mode							Topographic			iou :
ŀ	Dynamic Mode (Kir	· · · · · · · · · · · · · · · · · · ·						Aerial Photo		DQQ	
ļ	Precise Positioning Signal Averaging	Service						Satellite Ima		 .	
ŀ	Real Time Different	tial Broosseine	···-					Interpolation	Other	المالية المالية	
ļ	HORIZONTAL AC			ration in	. 7 ES ABO)	75 4300 W					
ſ				Committee of the Land	organia V		r sy-t			Internolation Da	ta Quality
Í	FOM	±		Meters	14. q. 21. 24 <u>0</u> . 7.	<u>nake gintar.</u>		<u> </u>	(M. 1922) - 10 - 10 - 10 - 10 - 10 - 10 - 10 - 1	. Interpolation DB	
	EPE	±		t or ±	N	/leters		Sourc	e Map Scal	e: 1:24,000 1:100,	000 Other
,	PDOP								±_	Feet or ±	Meters
Ph	otos: No	Phot	o'S 1	aken	<u> </u>			1		•	· · · · · · · · · · · · · · · · · · ·
		pstream Pho	-			D	ownstream	Photos	. <u>-</u>		Other Photos
	Photo ID#	Pho	to Purpose	,	Photo ID# Pho		noto Purpose Photo		Photo ID#	Photo Purpose	
					-						*
Us	es Observed	*: (Uses a	efually	ohserve	d at ti	me of	ETIMIOT)		· - ·		
-		2 : (0000 :	_		u at ti			1			
	Swimming		☐ Skin		☐ SCUBA diving		g	☐ Tubing		☐ Water skiing	
	☐ Wind surfing	3	□ Kaya		Boating				□ Wading		Rafting
	Hunting	.do	Trap		☐ Fishing			None of the above		Other:	
	Use Interview w	de number o vhen conduct	ing intervi	ais recreat iews.)	ing, pho	to-docu	mentation	of evidence	of recreati	onal uses, etc. \	Jse Data Sheet D- Recreational
				·							
Su	rrounding Cusual items of	ondition	s*: (Mai	k all tha	t prom	ote or	impede i	recreationa	al uses.	Attach photos	of evidence or
	☐ City/county		☐ Play	grounds	□м	IDC cor	nservation I	ands	☐ Urba	m areas	☐ Campgrounds
	☐ Boating acc	esses	☐ State	parks		ational	forests		□ Natu	re trails	☐ Stairs/walkway
	☐ No trespass :	sign	☐ Fenc	e	⊠ s	teep slo	pes			of the above	1 Other: Farm land
	Comments: St	eep slo	PES W	as fr The so	on	the ndin	Flas	LIS F	armin	OF San	pson Creek
Inc	dications of										
	ズ Roads	☐ Rope	swings	☐ Foot	paths/p	rints	□ Dock/	platform	☐ Li	vestock Waterin	g RV/ATV Tracks
	☐ Camping Sit	tes		☐ Fire 1	pit/ring		☐ NPDE	ES Discharge	Fi	shing Tackle	Other:
	Comments:	100520	专	Jac	Kis	130	and	100	ad	off of	HWV P

February 5, 2007

ıge Two – Data eam Morpholoç	Sheet B for V	VBID #	55:	50	7. POOL	
ναιτι πισι μιτοιοί						
		ensions: Is t	here any water r	oresent at this view	v? 🕱 Yes □ No	
	•					
Select one of the	following chan		so, is there an o	ovious current?	⊠ Yes □ No	
Channel Feature	Distance from a	access (m)	Width (m)	Length (m)	Median Depth (m)	Max. Depth (n
RIFFLE	65 NE	Hers	4 M	6,5 M	0,10	0.11
RUN						
POOL						
Oownstream Vie	w's Physical Di	imensions:		er present at this v		
Select one of the					— — · ·	•
Channel Feature RIFFLE	Distance from	access (m)	Width (m)	Length (m)	Median Depth (m)	Max. Depth (1
RUN						
2011	3	1		•		
POOL	10			7.	44	10 -1
POOL	10 A		7 _M	22.6	0.27m	0.28
ostrate*: (These % Cobb	values should ad e % n*: (Note amount	ld up to 100% Gravel nt of vegetati	S % Sand on or algal growth	\$0 % Silvat the assessment s	t \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	% Be
watic Vegetation /s from the	values should ad the % of the work of the	d up to 100% Gravel Int of vegetati Sefation Defrikes	on or algal growth Banks Floating 12	\$0 % Silvat the assessment s	t 45 % Mud/Clay	% Be
ostrate*: (These % Cobb	n*: (Note amount of the stice) values should ad the stice of the should ad the stice of the should ad the stice of the should ad the should a	Id up to 100% Gravel Int of vegetati Setation Detrikes Il that apply.)	on or algal growth Banks Floating 18	SO % Silvater of the Water of	t 45 % Mud/Clay ite) odd, All the columns. Algal gr	% Be
watic Vegetation // from the	values should ad the % of the work of the	d up to 100% Gravel Int of vegetati Sefation Defrikes	on or algal growth Banks Floating 1	SO % Silvate the assessment so well well the water of the	t 45 % Mud/Clay ite) oxly. All the columns. Algal gro e Other:	% Be
watic Vegetation / He a /s from the ater Character Odor:	n*: (Note amount of the stice o	Id up to 100% Gravel Int of vegetati Setation Detrites Il that apply.)	on or algal growth Baroks Floating 12	SO % Silvate at the assessment so we very we water of the	t 45 % Mud/Clay ite) oxdy. All the columns. Algal gro e	% Be
watic Vegetation / He a /s from the ater Character Odor: Color:	n*: (Note amount of the stice o	Id up to 100% Gravel Int of vegetation Setation Betation Il that apply.) Musky Green	on or algal growth Baroks Floating 12	so % Silvate assessment s	t 45 % Mud/Clay ite) Park 1 All the Columns. Algal gro e	% Be
watic Vegetation / Here as /s from the ater Character Odor: Color: Bottom Deposit:	values should added when the work of the w	Id up to 100% Gravel Int of vegetati For Trior Destricted Il that apply.) I Musky Green Solids Scum	S % Sand on or algal growth S & Sand on or algal growth Chem Gray Fine s	at the assessment s WEYWAR ical Non Milk ediments Non	e Other:	% Be

10

Transects: 19.6 meters

Data Sheet C - Cross-Sectional Depth Measurements (for estimation of median depth)

ا	Distance from Stream edge	Depth	Rank	Assigned Rank	Sorted depth
Transact	6 70	0.1	0.00 012	1	<u> </u>
Α.	1,20	0.19	0.10 (27	2	
!	1.70	0.25	0.13 (32	3	
	2-20	0.30	0,19 (U)	4	
	2.70	300 032	0,20 (5)	5	
•	3.20	0.34	0.25 (6)	6	
	3.70	0.27	0,27 (77	7	
	4.20	0120	0.30 (8)	8	
	4.70	0.1/3	0.33 (1)	9	
	5,20	0,09	19.34 (19)	10	
				11	
Transac	0.30	010	7,050	12	-
В	0,60	OTHE	0.10 (2)	13	
	0.90	0,20	0.16 (3)	14	
9	1,20	0.30	0.20 (4)	15	
3 NEWS		0.38	0.30 (5)	16	
	1,80	0.35	0.30 (5)	17	
	2:40	0,40	0,38 (7)	18	
		0.44	0.39 (8)	19	
	2.70	0.39	0,40 (9)	20	
	2,00	0.05	0,44 (0)	21	
_		0 10		22	
Transa	+ 0.70	0,10	0,10 (1)	23	
C	1,40	0.30	0,10 (i)	24	
_	2.00	0,29	0,14 (3)	25	
70	2.90	0.5	0.15 (4)	26	
7,0 M	3.50	0.14	0.26 5		
	4.20	0.26	0,27 (6)		
	4,90	0.28	0,28 (7)		
	5.60	0.29	0,29 (8)	n	
	6.30	0.27	0,29 (9)		
	7.50	0110	0.30 W		

If there is an odd number of entries find middle rank [(n+1)/2]. The corresponding sorted value depth to the middle rank is the median depth.

If there is an even number of entries, the median depth corresponds to the arithmetic average of the two depth values surrounding the middle rank.

I, the undersign datasheet is tr	gned, hereby a ue and accura	affirm to the best of ate.	f my knowledge, that	t all information reported on this UAA
Signed:	Ryan		Date: <i>O</i>	5-14-07
Organization:	SEngull	Environmantal	Echnologies	Eminimantal Scientists

February 5, 2007

Page 25

Data Sheet C - Cross-Sectional Depth Measurements (for estimation of median depth)

	Distance from	Depth	Rank	Assigned Rank	Sorted depth
	Stream edge				-
1	0.70	0,10	0,100 (1)	1	
Transie	1,40	0.29	0,29 (2)	2	
t	2.10	0,50	0.50 (3)	3	
D	2.40	p. 56	0,56 (4)	4	
~	3,500	0,57	0,57 (5)	5	
7m.	4.20	0,63	0.61 Ca)	6	
	4,90	8.67	0.63 (7)	7	
	5,400	0.71	A.67 (8)	8	
	6.30	0.70	0.70(9)	9	
	7,00	0,61	0571 (10)	10	
_				11	
Fransat		01.10	0,07 (1)	12	
E	0,80	0.21	0.10 (2)	13	
	1,20	0,20	0.4 (3)	14	
11	1,60	0,19	0.11 (4)	15	
4m	2.00	12,11	0115 (5)	16	
	2,40	0.11	. 8.26 0.19U	a) 17	
	2.80	0.15	0,20 (7)	18	
	0,20	6,24	0.20 (8)	19	
	3,60	0.20	0.29 (9)	20	
:	4,8	0000	0.24 CIO	21	
_				22	
Transed		0.35	0,35 (1)	23	
F	2,40	0.75	0,75 (2)	24	
7	3,60	I meter on	0,91 (3)	25	
	4.80	IMETER	meter (u)	26	
12M	6,00	IMETER	(5)		
	7:20:	meter	(de)	•	
	4.40	Inster	CT7		
	9,60	1 motes	(4)	n	
	10.40	meter	(5)		
	12,00	0.91	Y (6)		

If there is an even number of entries, the median depth corresponds to the arithmetic average of the two depth values surrounding the middle rank.

datasheet is true and accurate.	ly knowledge, that a	II information reported on this UAA
Signed: Ryan M. Lunt	Date: <i>ტ5</i> -	14.07
Organization: Jessell Environment	Technologies Position:	Environmental Scientists

February 5, 2007

Page 25

Data Sheet C - Cross-Sectional Depth Measurements (for estimation of median depth)

	Distance from Stream edge	Depth	Rank	Assigned Rank	Sorted depth
Vanto	- 1.0	0.61	0.61 (4)	1	
6	2,0	MEGER	0,94 (2)	2	
6	3,0	(wetter	IMETER (3)	3	
10 moses	4.0	INGTER	/41	4	
	5,0	1 MAHEN	(5)	5	
•	6,0	noter	40	6	
	70	METER	67	7	
	8.0	Ingter	90	.8	
	9,0	Imejer	(91	9	
	10.0	0,84	(10)	10	
_				11	
Transport	0.40	0,10	0,03 (J)	12	
H	0,80	913	0.08 (2)	13	
••	1.20	0.5	0.10 (3)	14	
HM	1,60	0,20	0.13 (4)	15	
	20	0,25	0.15 (5)	16	_
	2,48	B30 0.28	P4 8-20 0,15 W	17	
	2,80	0.31 0.15-R-	0,05 0,20 (7)	18	
	3,20	0, 15-82	D. IS 0,25 (8)	19	
	3,60	0,08	0,28 (9)	20	
	Hio	0.03	8,71 (10)	21	
				22	
Tweed	0,45	0,05	0,05 (1)	23	
\mathcal{P}	0,90	0,10	0,10 (2)	24	
24	7.7.	0,12	0.12 (5)	25	
4.5 m	1,40	0.20	10,20 0,19 W)	26	
40/m	2.25	0,19	0,19 15	<u> </u>	
	2,70	0,19	0.19 W		
	3,15	0.19	0,19 17		
	3,60	0.20	0,20 (8)	n	
	4,05	0,20	0.20 (9)		
	4,50	0,19	0,20 (0)		

If there is an even number of entries, the median depth corresponds to the arithmetic average of the two depth values surrounding the middle rank.

I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

Signed: Kyon M. Quit	Date: <u>05-14-07</u>
Organization: Seagul Environmental	Technologies Sosition: Environmental Scientist
February 5, 2007	Page 25

Data Sheet C - Cross-Sectional Depth Measurements (for estimation of median depth)

ļ	Distance from Stream edge	Depth	Rank	Assigned Rank	Sorted depth
Transac T	0,40	0,01	0,01 (17	1	
5	0,88	0.18	0.10 (2)	2	
\circ	620	0.17	6.10 (3)	3	
1.	1,40	0.19	Odo Eus	4	
4m	2,00	0.20	0.11 L5)	5	
•	2,40	0:13	0.13 (6)	6	
	2~80	ON	0.17 CT)	7	
	300	0.10	0.18 (6)	8	
	3060	0,10	0.19 (9)	9	
	U, 90	0,10	0,20 (15)	10	
Parazi				11	
Pransitt	0 030	0.07	10.02 0)	12	
<u>_</u>	19.760	0.10	0.03 12		
	0.46	0,15	0.07 L3		
3m	1.20	0.10	0.09 (4	/ I I . ———	
2 1/1	_ hso	0,11	0.09 0) 16	
	1.80	610	0,10 G) 17	
	210	9.09	0,10 6	7) 18	
	Jun	0,09	0,10 6	0 19	
	2.70	B103	0,11 0) 20	
	3,00	9.02	D.15 (10	j 21	
				22	
				23	
				24	
				25	
				26	
				n	

If there is an even number of entries, the median depth corresponds to the arithmetic average of the two depth values surrounding the middle rank.

i, inc un	got syence	r, neren	y 4433311 111 1	to the pest of	т шу кшом	rieuge, tha	ii ah mno	mation reported on this O	$\mathbf{A}\mathbf{A}$
datashee	t is true a	and accu	ırate.	1	-	•		•	
Signed:_	Ly	an 1	To Mis	int		Date:	05-14	407	
Organiza	tion:	Sta	c sell	ENUMBEN	MENTAL	Today	ag 255	ENWONMONTA/SUS	n Frest

February 5, 2007

Page 25

WBID# <u>455</u> Site# 2		<i>ta Sheets fo</i> Data Sheet	r Recreati	onal Use Charact	Stream	n Surveys	7 (**	
05	-14-07 R.L	(must b	e completed	for each	site)	OII		
Date & Time:	Date & Time: GFFF 1 16:00			Site Location Description (e.g., road crossing): 10 reasons wide, Bridge crossing off at 6124 50 m from Bridge				
Personnel (Data Collec								
Current Weather Cond	litions: Sunny					ampton	WMF	
Weather Conditions for	or Past 10 days: Sun	My Hoavy R	Permit 1	Number:	100	01141085		
Drought Conditions?:	No drought 🏋; Phas	e I □; Phase II □]; Phase III	; Phase IV	□; Unkne	own 🗆		
Site Locations:		0						
Sita CDS Coordinate		₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩		76-				
HORIZONTAL COLLECT		-287 MB	194.2264	16 4	# (246 N 40).15589	
Sign of the G	lobal Positioning Syst	em (GPS)	delemine me lo			Interpolat		
Static Mode				Topographic				
Dynamic Mode (Kinematic Precise Positioning Service	·			Aerial Photo	ograph or D	OQQ		
	<u> </u>			Satellite Ima				
Signal Averaging			<u> </u>	Interpolation	n Other			
Real Time Differential Pro								
	GPS Data Qualit	v			The L			
FOM		<u> </u>				Interpolation Dat	a Quality	
				Source	e Map Sca	le: 1:24,000 1:100,0	000 Other	
EPE	± 10 Feet or	±Meter	rs]		Feet or ±		
PDOP			 -	<u> </u>	<u> </u>	rest or ±_	ivieters	
Photos: No P	oto's dake	3N						
Upstrea	m Photos		Downstream	Photos			Other Photos	
Photo ID#	Photo Purpose	Photo ID#	P	hoto Purpos	e	Photo ID#	Photo Purpose	
		1465 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	P				w ·	
Uses Observed*: (U	ses actually obse	erved at time	of survey.)	· 				
☐ Swimming	☐ Skin divin		SCUBA divin	g	☐ Tubi	ng	☐ Water skiing	
☐ Wind surfing	☐ Kayaking		☐ Boating		☐ Wading		☐ Rafting	
☐ Hunting	☐ Trapping		Fishing				☐ Other:	
Describe: (Include nur Use Interview when co	nber of individuals re	creating, photo-de	ocumentation	of evidence	of recreati	onal uses, etc. Us	se Data Sheet D- Recreational	
Surrounding Condi unusual items of intere	tions*: (Mark all	that promote	or impede r	ecreationa	ıl uses. A	Attach photos	of evidence or	
☐ City/county parks	□ Playgroun	ds DMDC	conservation la	anda				
Boating accesses	☐ State park		nal forests	ands	☐ Urba		☐ Campgrounds	
☐ No trespass sign	☐ Fence	- 		<u> </u>	☐ Natur	·	☐ Stairs/walkway	
Comments:	L Fence	Steep:	stopes		∐ None	of the above	M Other: Farm land	
	·		·					
Indications of Huma	an Use*: (attach	photos)						
X Roads □ I	Rope swings	Foot paths/prints	☐ Dock/p	olatform	□Liv	estock Watering	□ RV / ATV Tracks	
☐ Camping Sites		ire pit/ring	☐ NPDE	S Discharge	□ Fi	shing Tackle	☐ Other:	
Comments:	comments: Rd 6/2 Off of Hwy 22							

0%	Channel Feature		If en ic there on			
0%	Channel Feature			obvious curren	t? ⊠ Yes □ No)
0%		ollowing channel featur		+5	·	
- "	RIFFLE	Distance from access (m)	Width (m)	Length (m)	Median Depth (m)	Max. Depth (m
0	RUN	190 M	37.1 m	15m	AD 142	2 7 11
, ro_	POOL			1200	0.18	0.34
		v's Physical Dimensions ollowing channel featur	If so, is there a	n obvious curr		
	Channel Feature RIFFLE	Distance from access (m)	Width (m)	Length (m)	Median Depth (m)	Max. Depth (m
10	RUN POOL	15 M	10 M	19 m	0.11	0114m
— Տուե	strato** (These					
	MILITARIE A CIDESE S	values should add up to 100	10/_ \	<u>L </u>		<u> </u>
L	% Cobble	1*: (Note amount of vegeta	90 % Sand	at the assessm	6 Silt 5 % Mud/Clarent site) 5 Floating IN the	
Aqu	% Cobble Log Jam	% Gravel **: (Note amount of vegetation, Vegetation, Vegetation, Vegetation)	90 % Sand attion or algal growth Ery Woody. A Bridge	at the assessm	ent site)	
Aqu	% Cobble Log Jam	"C VEGETATION, VEG	90 % Sand ation or algal growth Ery Woody. A Bridge	at the assessm Defrifug Crossinging	ent site) 5 Floating In the	,
Aqu Wat	% Cobble 1atic Vegetation 1ittle aquat Log Jam ter Characteris	**: (Note amount of vegetalic (vegetalic), Vegetalicon, V	90 % Sand ation or algal growth Ery Woody. A Bridge () ky Chem	at the assessm Defrifug Crossinging ical	ent site) 6 Floating In the	
Aqu Wa	% Cobble Intic Vegetation Iithe aquat Log Jam I ter Characteris Odor: Color:	**: (Note amount of vegetalic Vegetalien,	90 % Sand ation or algal growth Ery Woody. A Bridge .) ky Gray	at the assessm Defrifug Crossinging ical	ent site) 5 Floating In the 6. None	,
Aqu Wai	% Cobble 1atic Vegetation 1ittle aquat Log Jam 1 ter Characteris Odor:	**: (Note amount of vegetalic (vegetalic), Vegetalicon, V	y % Sand ation or algal growth Ery Woody. A Bridge A Bridge Chem Gray ds Trine s	at the assessm Defrifug Crossinging ical	ent site) 6 Floating In the	

Organization: Stay UNL ENVIVOLECHNOLOGIES Position: Environmental Schools

Each Transect 19.1m

Data Sheet C - Cross-Sectional Depth Measurements (for estimation of median depth)

	Distance from Stream edge	Depth	Rank		Assigned Rank	Sorted depth
Travs A	0.52	010	0,00	47	1	
•	1127	0,10	0.08	(Z)	2	
10 meters	2.52	0.11	0.10	(3)	3	
•	352	9:10	0.10	US	4	
	4.52	0:12	0,10	(S)	5	,
•	5.52	10(1)	0.//	(6)	6	
ì	652	0.08	0.11	(7)	7	
	7152	0.08	0.12	(8)	8	
· ·	8:52	0-14	0,14	(4)	9	
	9,5.2	0.14	0.14	(10)	10	
Transa	Dr.60	Ø./S	0,01	as	11	
13		0,20	0.01	(2)	12	
	1:80	0,30	0.01	(3)	13	
6Meters	2,40	0,25	0,04	<i>U</i> i)	14	
	3,00	0.26	0.15	(5)	15	
	3,60	0.18	0.20	(e)	16	
	4.20	0,04	0,25	<u>(i)</u>	17	
	4, 40	0.01	0,26	(8)	18	
	5.40	0.01	0.28	(9)	19	
	6.80	0.01	0.30	(to)	20	
Transact	0.71	0.09	0,0	W	21	
C	(m) 1:42,	0.12	0,09	(2)	22	
	2,13	0.13	v. y	(3)	23	
7.1 meter	784	0.14	0,12	(H)	24	
	3,55	0.19	0,13	(S)	25	
-	=(1.)6	0,18	0,14	رها	26	
	4,97	0.19	0.15	(1)		
	5.69	0.15	0.18	(8)	•	
	6.39	DIV	0,19	(5)		
	7,10	9.01	0.19	(16)	n	
				J		

If there is an odd number of entries find middle rank [(n+1)/2]. The corresponding sorted value depth to the middle rank is the median depth.

If there is an even number of entries, the median depth corresponds to the arithmetic average of the two depth values surrounding the middle rank.

1, the undersigned, hereby annual to the best	oi my knowieuge, in:	u an miorma	tion reported on this UAA
datasheet is true and accurate.	, ,		<u>*</u>
			•
A MARINE			
Signed: Rugar M. Dunt	Date:	05-14-07	*
and the second of the second o	7-1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	am 11 0	
Organization: Segul Environmental	Position:	JANESTI LA	Willow MENDED DEVENTING
			
February 5, 2007			Page 25

Data Sheet C - Cross-Sectional Depth Measurements (for estimation of median depth)

[Distance from	Depth	Rank	Assigned Rank	Sorted depth
Trusque	Stream edge	A 1:			
Transact	- 0.61	Oito	ono Lo	1	
	1.22	0112	0.12 (2)	2	
_	1.23	0.13	B, 12 (3)	3	,
Cel meter	2.44	0.14	6.13 tas	4	
CENT MODEL	3.05	0:12	0.14 (5)	5	
	3.71	Ð115	0.15 (6)	6	
	4.32	19.18	0,14 (7)	7	
ļ	9,93	1918	0,18 (8)	8	
	5.54	0.20	0,20 (9)	9	
	6,15	0.24	0.24 (10)	10	
Transact E.	- 0.77	0.01	0,01 (1)	11	
Ë.	a 1,54	0.01	0.01 (2)	12	
	2.31	0.09	0109 (3)	13	
7,7	3,08	0.12	0,12 (4)	14	
7.7	3.85	0,20	0.13 (5)	15	
	4.62	0:15	0.15 (6)	16	
	5,39	0.13	0,15 (7)	17	
	[a, 1 ho	0.18	0,18 (8)	18	
:	6.43	0.20	0,20 (4)	19	
_	7.70	0.15	0,20 (10)	20	
Transod	19.60	5.09	0.04 CD	21	
F	L 20	0.30	0,09 (2)	22	
•	1,80	0.31	0, 10 (3)	23	
(-1 -	2,40	0,23	0. U C4)	24	
6 m Elters	3,00	9.17	0,11 (5)	25	
	3.60	9.11	0.12 C6	26	
	4,20	5. D. H		•	
	4.40	0112	017 (1)		
	5,40	0.10	0.30 (9)	•	
	6,00	0.04	6.31 (10)	n	
			VIV)	_	
				-	
		-		<u>, , , , , , , , , , , , , , , , , , , </u>	

If there is an even number of entries, the median depth corresponds to the arithmetic average of the two depth values surrounding the middle rank.

I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

Signed:	Date:
Organization:	Position:
ے February 5, 2007	Page 2

Data Sheet C - Cross-Sectional Depth Measurements (for estimation of median depth)

ĺ	Distance from	Depth	Rank	Assigned Rank	Sorted depth
<u></u>	Stream edge				
Trans	-0.63	0.21	0×24 C/1	1	
6	1.26	0.31	di29 (2)	2	
	1,89	D 35	0,50 (3)	3	
6.3	D 52	0.40	0.31 Cas	4	
	3.16	0.34	0131 (5)	5	
meter	3,78	n. 30	0.32 (0)	6	
	4.41	0.35	0,34 00	7	
	5.04	19.31		8	
	5.67	0.32	0,35 (9)	9	
	6.30	0.29	1	10	
Trans-	0.52	() 12 2 Z	0,40 (10)	11	
H	1.54	F. 19	0.12 (2)	12	
n	1,56	15,30	(3) (3)	13	
	2,08	0.44	0.20 (4)	14	
	2.60	9,34	10,25 (5)	15	
5,2 mexery	- 3/2	0.30	0.25 (v) 0.30 (v) 0.30 (6)	16	
7,0	3.64	19.25	A.30 (2)	17	
Were!	4.16	0.05	9.30 W	18	
	4.68	0,20	70 B4 W		
	9.20	0.12	0.44 Cro) 20	
Transact	0.60	0.11	0.03 W	21	
I.	1120	0.13	0.11 (2)		
- 	180	0.15	0,13 (3)	23	
	2,40	0.19	0,15 (4)	24	
10	3,00	9.25	19.19 (5)		
6 maters	3,60	0,29	0,25 (6	26	
<i>y</i> ,	3.20	9.34	6.29 07		
	4.60	0.43	0.34 (8	1	
	5.40	0.42	0.47 19		
	6.00	0.03	0,43 (10	7 1 1	

If there is an even number of entries, the median depth corresponds to the arithmetic average of the two depth values surrounding the middle rank.

I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

Signed:	Date:	Date:			
Organization:	Position:				
February 5, 2007		Page 25			

Data Sheet C - Cross-Sectional Depth Measurements (for estimation of median depth)

	Distance from Stream edge	Depth	Rank	Assigned Rank	Sorted depth
Transest	- 0.36	0101	0,01 (1)	1	
	1.01	0:39	0,09 (2)	2	
1		0.22	0.10 (3)	3	
	243	0.12	0.10 (3)	4	
	2.14	.0,10	0.12 (5)	5	
	3,45	ON		6	
7.1 meters	4.66	B.15	0.23 (7)	7	
no alland	5.37	809	19.24 (8)	8	
Limb.	6.08	0.24	0,30 (9)	9	
	6.79	0/30	0.39 (10)	10	
	1 12.005	0,021	0.02 (1)	11	
/	Middle	0,24		12	
	1,:59	0.34	0.09 (3)	13	
In next	1,94	0.30	orls (4)	14	
Transect	2.39	· 6 0.25		15	
I I	2.84	8.21	0.15 (5)	16	
	3,29	Pris	0.25 (7)	17	
	3.74	0.15	0.24 (1)	18	
116	4,19	o les	D. 20 (9)	19	•
U.S meta	4,64	0.08	0.34 (10)	20	mg/g
meter		A September 1		21	
•				22	
		1000		23	
				24	
				25	
				26	
				n	
	*3.				
				···•	

If there is an even number of entries, the median depth corresponds to the arithmetic average of the two depth values surrounding the middle rank.

1, the undersigned, neredy attirm to the best of my k	howledge, that all information reported on this UAA
datasheet is true and accurate.	•
Λ	
Signed: Ryun Me Thent	Date: 05-14-07
Organization: Stack 1. Environmental	TECHNOLOGIES ENVIRONMENTAL SOLL HEL
Organization. Jour Will Charles	Position Environmental Scientist
February 5, 2007	Page 25

WBID	#	455
Site#	3	•

Field Data Sheets for Recreational Use Stream Surveys Data Sheet B - Site Characterization (must be completed for each site)

_				(must	t be co	mpleted	for each si	ite)		
Ĺ	Date & Time: 6-17-07 8:30 AM Site Location Description (e.g., road crossing): Transact A 55M Upstram from they ZZ									
	Pernonnal (Data Callentera)				Bridge					
	1 - 1 4					7 -	cility Name: Now Hampton MMF			
	Weather Conditions for Past 10 days: Swy//ight Raw Permit Number: MODINGE									
			ought A ; Phase I	' /			Phase IV			· · · · · · · · · · · · · · · · · · ·
Sit	e Locations	:						, ciano		
			IVERSAL TRANSVER	SEMERO	ATOR PR	ACHECTION	MANUEL CON			
Ī	Site GPS Coordinates: UTM X: N40.15161 W094.20432: W074.20432 N HO.15161									
1	HORIZONIAL COLLECTION METHOD (Indicate the method used to determine the locational data)									
	Global Positioning System (GPS)									
ŀ	Static Mode Dynamic Mode (Kir	amatic)					Topographic I			
Ì	Precise Positioning						Aerial Photog		DQQ	
ŀ	Signal Averaging	00:1100					Satellite Imag			
	Real Time Different	fial Processing					Interpolation	Other	en en en en	
	SHORIZONI AU AGO	_								
Ţ	BETTER WEIGH		GPS Data Quality							
Ì	FOM	±	Meters	147 July 186-184 3		neg Bear e			Interpolation Da	ita Quality
}	EPE				eters		Source	Map Scal	e: 1:24,000 1:100	,000 Other
	PDOP		<u> </u>	IVI	eters			±	Feet or ±	Meters
u Dh	otos:									
			<u> </u>	-			·			
		pstream Pho			Do	wnstream	Photos			Other Photos
	Photo ID#		to Purpose	Photo II	- moto x miposo			Photo ID#	Photo Purpose	
	453-6		act FK	, , ,			soct B-	A	455-1,234	Up, Lt, Down, Lt
Us	es Observed	1*: (Uses 2	ctually observ	ed at tin	ne of s	urvey.)				4 , - 1 pool 0, or
	☐ Swimming		☐ Skin diving	[□ sct	CUBA diving		☐ Tubing		☐ Water skiing
l	☐ Wind surfing	<u> </u>	☐ Kayaking	[☐ Boating			☐ Wading		☐ Rafting
	☐ Hunting		☐ Trapping	[☐ Fishing		None of the above		☐ Other:	
	Describe: (Inclu	de number o	of individuals recrea	ting, photo	o-docun	nentation of	of evidence o	f recreati	onal uses, etc. I	Jse Data Sheet D- Recreational
	Us e Interview w	hen conduct	ing interviews.)							
Q.,	proxinding 0	onditi	0% () 41- 21-1			,				
un	usual items of	interest.)	s*: (Mark all th	at promo	ote or 1	ımpede r	ecreational	l uses. A	Attach photos	of evidence or
	☐ City/county	parks	☐ Playgrounds	□мп	OC cons	servation la	ends	☐ Urba	ın areas	☐ Campgrounds
	☐ Boating acc	esses	☐ State parks	□ Na	ational f	orests				☐ Stairs/walkway
	☐ No trespass :	sign	☐ Fence	☐ Ste	eep slop	es			of the above	Other:
	Comments:		·		P		<u> </u>	7		
lna	dications of	Lluman II	looki /out 1 1						Ť.	
ш	·	ruman U	Jse*: (attach p	aotos)				,		
	Roads	☐ Rope	swings	t paths/pri	ints	□ Dock/I	olatform	☐ Livestock Watering		g RV/ATV Tracks
	☐ Camping Sit	es	□ Fire	pit/ring		□ NPDES Discharge □ Fishing Tackle □ Other:				☐ Other:
	Comments:	Hwy	22 NO	rth o	E	Metall	Ma			
		T .	, ,		•		· · · · · ·			

elect one of the foll Channel Feature RIFFLE RUN POOL	lowing channel feature	If so, is there an ob		this view?	Yes 🗆 No	
Channel Feature RIFFLE RUN	lowing channel feature		-	rent?		for Pool
RIFFLE RUN	Distance d'ac-		- 14		W.W	
RUN	Distance from access (m)	Width (m)	Lengtl	(m)	Median Depth (m)	Max. Depth (m)
POOL						
	225m	7 m	9 W		0.30	242
Channel Feature	llowing channel featur Distance from access (m)	If so, is there and es: Transact 6 Width (m)			Median Depth (m)	Max. Depth (m
RIFFLE					, , ,	
RUN	75m	Gove	174	1	0,17	0.31
POOL						
strate*: (These va	alues should add up to 100	%.)			RL	·
5 % Cobble	% Gravel	30 % Sand		% Silt 🕊	% Mud/Clay	5 % Bed
ter Characteristi	ics*: (Mark all that apply	7.)				
	ics*: (Mark all that apply ☐ Sewage ☐ Mus		cal	M-None	☐ Other:	
Odor:		ky 🗆 Chemic	cal .	Mone ☐ Milky	☐ Other:	
Odor: Color:	□ Sewage □ Mus	ky 🗆 Chemic en 🔀 Gray		<u> </u>		
ter Characteristi Odor:			cal	Ø-None	☐ Other:	

Data Sheet C - Cross-Sectional Depth Measurements (for estimation of median depth)

Distance from	Depth	Rank	Assigned Rank	Sorted depth
Stream edge				
0,7	0.10			
1.4	0.10		2	
2.0	0.10		3	
218	0.14		4	
3,5	0.14		5	
4.2	0.19		6	
4.9	0,20		7	
5.6	0.31		8	
6.3	0,33		9	
1 7,0	0.13		10	
1.2 1.3 2.4 3.0 3.4 4.2 4.8 5.4 60			11	
0.6	0.17	Quo a)	12	
1.2	0,31	A.11 (27)	13	
1.8	0 17	A.11 (3)	14	
24	0.11	0.13 (4)	15	
3.0	0,17	9:16 (5) 8:17 (6)	16	
3.6	0,10	P.17 (6)	17	
4.2	0,11	0.17 (7)	18	
4.8	°, 13	0.17 (8)	19	
15.4	0.16	0,17 (9)	20	
60	0, 17	0,17 (g) 0,17 (g) 0,31 (lp)	21	
			22	
0.7	6.16	·	23	
	0.11		24	
2.1	G.17		25	
2.8	0.20		26	
3.5	0.21			
4.2	0.21			

If there is an even number of entries, the median depth corresponds to the arithmetic average of the two depth values surrounding the middle rank.

I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

Signeed: Ryan M. dust	Date: 05-17-07
Organ ization: SEagul Environmental	Technologies ENVIRONMENTAL SWENTS
February 5, 2007	Page 25

Data Sheet C - Cross-Sectional Depth Measurements (for estimation of median depth)

:	Distance from	Depth	Rank	Assigned Rank	Sorted depth
مراجع شارع	Stream edge			_	1
Transper	0,6	0.04		1	
\mathcal{D}	1.2	0.06		2	
	1.8	0.13		3	
6,0	2.4	0.14		4	
	3.0	0.22		5	
•	3,6 4,2,	0, 24		6	
	4,2,	0.27		7	
	4.8	0.33		8	
	5,4	0.33		9	
%	610	0.14		10	
Transed				11	
A Mercia	<u> </u>	0.10		12	
E	1.4	a. 13		13	
7.0	7.1	0,14		14	
H., U	2.6	0.16		15	
	3,5	0.19		16	
	4.2	0, 19		17	
	પં.૧	0,20		18	-
	5,6	0,21		19	
	7.0	0,22		20	
a	7.0	0,13		21	-
Travesed				22	
	0.18	0.04		23	
<u>-</u>	1.6	0.11		24	
1	2.4	0.13		25	
8,0	3,2	0,15		26	
2 10	4.00	0.18			
	4.8	0,16		•	
	5.4	0,19			
	6.4	021		n	
	7.2	0.22			
	8.0	0. 15			

If there is an even number of entries, the median depth corresponds to the arithmetic average of the two depth values surrounding the middle rank.

I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

Signed:

Date: 05-17-07

Organization: Stagull Environmental Technologies Environmental Scientist

February 5, 2007

Data Sheet C - Cross-Sectional Depth Measurements (for estimation of median depth)

	Distance from Stream edge	Depth	Rank	Assigned Rank	Sorted depth
Transect	0.6	0.10		1	
G	1.2	0.10		2	
	1.8	0.14		3	
6.0	3.0	0.1/	,	4	
	3.0	0.15		5	
•	3.6	0.09		6	
	3.6 4.2 4.8	0.29		7	
	4.8	0.33		8	
	5,6	0.39		9	
- A	6.0	0.35		10	
Tremsec				11	
1_1	6.7	0110		12	
\perp_I	1.4	0,10		13	
7.0	7-11	6.11		14	
1 10	7. 8 3.5	0.15		15	
	3.5	0, 20		16	
	4,2	g. 33		17	
	4.9	0.15	,	18	
	5.6 6.3	c. 14		19	
		0.11		20	
Transed	7.6	0.10		21	
1 P		<u> </u>		22	
I	0.6	0.22		23	
	1.2	0.35		24	
γ,	1.8	0,36		25	
6,0	2.4	0,31		26	
	3.6	0,29			
	3.6 4.2	0.35			
		0.18			
	4.8	0.10		n	
	5.6	0.10			
	6.0	0.13			

If there is an odd number of entries find middle rank [(n+1)/2]. The corresponding sorted value depth to the middle rank is the median depth.

If there is an even number of entries, the median depth corresponds to the arithmetic average of the two depth values surrounding the middle rank.

I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

Signed: Date: 05-17-07

Organization: Seaguel Environmental

ENVIONMENTAL SCIENTO

February 5, 2007

Data Sheet C - Cross-Sectional Depth Measurements (for estimation of median depth)

	Distance from Stream edge	Depth	Rank	Assigned Rank	Sorted depth
transact	0.7	0.14		1	
5	1,4	0 15		2	
)	2.1	0 19		3	
7.0	2.8	0.29		4	
0.0	3,5	0.30		5	
•	4,7	0.31		6	
	3,5 4,7 4,8	0.31		7	
	5.6	0.31		8	
	5.6 (4.3	0,21		9	
	7.0	0,19		10	
1,				11	
Transcot	0.60	0.30	0,10 (1)	12	
6.0	1 1 2	0.41	0.19 (2)	13	
0:0	1.8	0.42	0.28 (3)	14	
	2.4	0.39	0.29 (4)	15	
	3,6 3.6 4,2	o. 33	0.29 (5)	16	
	3.6	0.29	0.30 (6)	17	
	4.2	0.28	0.33 (7)	18	
	4.8	0.29	0.33 (7)	19	
	5.4	0.19	0.41 (4)	20	
	600	0.10	0.42 (10)	21	
				22	
				23	
				24	
				25	
				26	
		•			
		·		n	

If there is an even number of entries, the median depth corresponds to the arithmetic average of the two depth values surrounding the middle rank.

Organization: GEQUIL ENVIRONMENTA TECHNO Position: ENVIRONMEN

Page 25

DISSOLVED OXYGEN DATA ENTRY SHEET

Stream ID	WBID	Date	Time	Cross - Section #	Transect #	DO Reading (mg/L)
Sameson	455	05-19-07	12137		1	8.40
Sampson	45 <i>2</i> 	021401	12:41		2	
		:			; 3	8.51 8.23
	!		₹00 }		. 4	8,10
			图15		5	8.48
			13:31	1	~ 6	8.86
	:		-: 13:47		. 7	8.01
		·	13:59		. 8	7.76
:		20° .	14:10		9	8.07
		:	14:22	_	10	8,56
	i		14:41		11	8.01
Sampson	455	N & 111	16:10		1	7.43
COEK		05-19-07			2	7.28
	:		16:40	-	3	7, 24
,		•	16:55	_	4	7,08
	İ	:	17:10		5	6.83
			17:10	2	6	6.88
		j	17:30	_	7	7,12
		-	17. 30		8	7,17
		-	17.49	_	9	7,00
		}	17,59		10	7,30
			18:07		11	7,15
	1	_}	08:30	_	1	8.01
Sampson Creek	455	05-17-07	08,35		2	8.86
Creek		-	08.46	_		8.86
	Î	-	08,45	_		7.74
		j -	08.50		5	8.82
		-	08.55	3	6	8,71
	-	-	09:00	<u> </u>	7	8,71 8,84 8,75
	ł	F	09.05	<u> </u>		
		Į-	79,10	-	9	8,78
		<u></u>	29,15	_	10	8,68
	<u> </u>		79,70		11	8.78



Transect A (Site 3) of Sampson Creek.



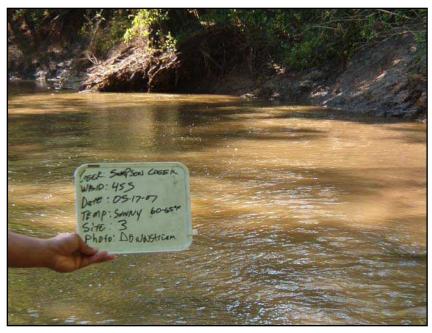
Transect A (Site 3) of Sampson Creek.



Transect A (Site 3) of Sampson Creek.



Transect A (Site 3) of Sampson Creek.



Downstream (Site 3) of Sampson Creek.



Hwy ZZ Bridge of Sampson Creek.



Upstream (Site 3) of Sampson Creek.



Private property posting near Sampson Creek.



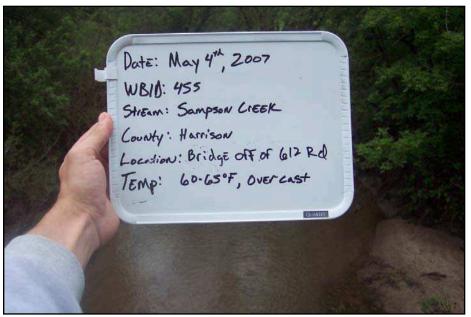
Hwy ZZ Bridge of Sampson Creek.



Private property posting near Sampson Creek.



Hwy ZZ Bridge of Sampson Creek.



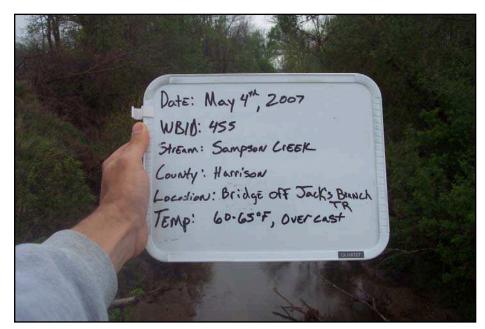
612 Road Bridge of Sampson Creek.



612 Road Bridge of Sampson Creek.



Jack's Branch Bridge of Sampson Creek.



Jack's Branch Bridge of Sampson Creek.

Field Data Sheet for Recreational Use Stream Survey

Strage Name Could be Data Sneet D—Recreational Use Interview
Stream Name Sampson CIEEK (WBID# 455)
I. Introduction
Date & Time (include AM or PM): 04-05-07 11:25 A.M.
Interviewed: In person Dy By phone Dy By mail (NOTE: If you are an Interviewee filling out this form to mail back to DNR, proceed to Question #1.)
Interviewee selected because (e.g., house next to stream; standing by stream, etc.) Interviewee owns the land Surrounding Sampson Creek.
Interviewer introduction to Interviewee: "My name is, I work for(name of your employer), and I am collecting information on how people use(name of the stream)" ASK: 1.) Are you willing to respond to a survey about this stream? (It will just take a few minutes)
Yes No If yes, list contact information for the interviewee below: Legal name: Betty Grace Current mailing address: 1102 E. PEC/V Allawy Mo 64402 Daytime phone number: (660) 776-3262 E-mail address (optional):
2.a.) Do you live in this area? Yes No If yes, how many years?
2.b.) If you don't live nearby, are you still familiar with this stream? Yes No If yes, how many years? If no, thank the individual for taking the time to talk to you and conclude the interview.
3.) Are you familiar with this particular stretch of the stream? (show them the map, pointing out local landmarks such as roads, bridges, property lines) Yes No If yes, proceed to "II. Personal Use?". If no, proceed to Section V.
 II. Personal Use? 1.) Have you or your family personally used the stream for recreation since November 28, 1975? Yes No If yes, proceed to #3. If no, proceed to #2.
2.a.) List reasons stream not used. Street to Swins Fish in the fonds Surrounding Sampson Creek Sampson Creek is also to Small & Shallow for any recreational USE 2.b.) Proceed to "III. Witnessed Use?".
3.) How do you use the stream?

	tly? Describe specific location and mark on th	•
Pichi Tree	Secondary Contact Recreation	
	ing Boating Trapping Other:	List:
If Interviewee witnes	sed SCR use since Nov. 28, 1975, ask the following ques	tiona
2.c.) When (e.g., year	(s)?; season?; only after a rain?) and how often (times/year)?	SLIOIS.
2 d) W/L		
he protocol).	tly? Describe specific location and mark on the	e map (Seemap requirements
v. Anecdotal L	lse?	
.) Have you hear or done yourself, b If yes, proc	d about anyone using this stream since Nov. 28 out just heard about it? Yes No— Stored to #2	ream to Small & Shire.
.) Have you hear or done yourself, b If yes, proc If no, thank	d about	ream to small & Shire.
.) Have you hear or done yourself, but If yes, proculf no, thank i.) What kind of u	d about anyone using this stream since Nov. 28, but just heard about it? Yes No— Stored to #2. I the individual for taking the time to talk to you see have you heard about? Whole Body Contact Recreation	a and conclude the interview.
.) Have you hear or done yourself, b If yes, proc If no, thank .) What kind of u wimming	d about anyone using this stream since Nov. 28 out just heard about it? Yes No— Stored to #2. the individual for taking the time to talk to you see have you heard about? Whole Body Contact Recreation Tubing Snorkeling/Skin Divi	and conclude the interview.
.) Have you hear or done yourself, b If yes, proc If no, thank .) What kind of u wimming	d about anyone using this stream since Nov. 28 out just heard about it? Yes No— Stored to #2. the individual for taking the time to talk to you see have you heard about? Whole Body Contact Recreation Tubing Snorkeling/Skin Divi	and conclude the interview.
.) Have you hear or done yourself, but If yes, proceed If no, thank it.) What kind of use wimming	d about anyone using this stream since Nov. 28, but just heard about it? Yes No— Stored to #2. the individual for taking the time to talk to you sees have you heard about? Whole Body Contact Recreation Tubing Snorkeling/Skin Divided of WBCR use since Nov. 28, 1975, ask the	ing Water Skiing
Have you hear or done yourself, but If yes, proceed If no, thank it.) What kind of use wimming	d about anyone using this stream since Nov. 28 out just heard about it? Yes No— Stored to #2. the individual for taking the time to talk to you see have you heard about? Whole Body Contact Recreation Tubing Snorkeling/Skin Divi	ing Water Skiing
.) Have you hear or done yourself, but If yes, process If no, thanks.) What kind of use wimming f Interviewee head The solution of the second in the s	d about anyone using this stream since Nov. 28, but just heard about it? Yes No— Streed to #2. the individual for taking the time to talk to you sees have you heard about? Whole Body Contact Recreation Tubing Snorkeling/Skin Divi rd of WBCR use since Nov. 28, 1975, ask the uses take place (e.g., year(s)?; season?; only after a rain?) and ho	ing Water Skiing following questions:
Have you hear or done yourself, but If yes, proculf no, thank in it.) What kind of use it is in it. When did these it. Where, exactly it is ap requirements in it.	d about anyone using this stream since Nov. 28, but just heard about it? Yes No— Streed to #2. the individual for taking the time to talk to you see have you heard about? Whole Body Contact Recreation Tubing Snorkeling/Skin Diving Snorkeling/Skin Di	ing Water Skiing following questions: we often (times/year)?
Have you hear or done yourself, but If yes, proculf no, thank in the control of t	d about anyone using this stream since Nov. 28, but just heard about it? Yes No— Streed to #2. the individual for taking the time to talk to you see have you heard about? Whole Body Contact Recreation Tubing Snorkeling/Skin Diving Snorkeling/Skin Di	ing Water Skiing following questions: we often (times/year)?
If yes, proc. If no, thank 2.) What kind of underwing f Interviewee head 3.a.) When did these 3.b.) Where, exactly from the programments in the second state of t	d about anyone using this stream since Nov. 28, but just heard about it? Yes No— Streed to #2. the individual for taking the time to talk to you see have you heard about? Whole Body Contact Recreation Tubing Snorkeling/Skin Diving Snorkeling/Skin Di	ing Water Skiing following questions: we often (times/year)?